

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: March 25, 2003, 08:29:27 ; Search time 15 Seconds
(without alignments)
27.461 Million cell updates/sec

Title: US-09-982-259-7
Perfect score: 72
Sequence: 1 GMTRFAQEAFLTG 14

Scoring table: BIOSUM62
Gapext 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:
1: /cn2_6/ptodata/2/1aa/5A_COMB.pep:/*
2: /cg2_6/ptodata/2/1aa/5B_COMB.pep:/*
3: /cgn_6/ptodata/2/1aa/6A_COMB.pep:/*
4: /cn2_6/ptodata/2/1aa/6B_COMB.pep:/*
5: /cg2_6/ptodata/2/1aa/PCTUS_COMB.pep:/*
6: /cgn_6/ptodata/2/1aa/backfiles1.pep:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	72	100.0	339	1 US-09-396-957A-4	Sequence 4, Appli
2	42	58.3	341	1 US-09-396-957A-5	Sequence 5, Appli
3	41	56.9	111	4 US-09-466-886-43	Sequence 4,3, Appli
4	41	56.9	111	4 US-09-469-017-43	Sequence 5, Appli
5	39.5	54.9	4928	4 US-09-036-987A-5	Sequence 5, Appli
6	39.5	54.9	4928	4 US-09-037-005-5	Sequence 19, Appli
7	37	51.4	602	4 US-09-374-454-19	Sequence 80, Appli
8	36	50.0	339	4 US-09-071-035-80	Sequence 1, Appli
9	36	50.0	353	4 US-09-013-012-1	Sequence 78, Appli
10	36	50.0	361	4 US-09-071-035-78	Sequence 12, Appli
11	35.5	49.3	1891	2 US-09-804-227C-12	Sequence 6, Appli
12	35.5	49.3	1891	2 US-09-804-198-6	Sequence 65, Appli
13	35	48.6	353	4 US-09-171-156A-65	Sequence 68, Appli
14	35	48.6	353	4 US-09-171-156A-68	Sequence 79, Appli
15	34	47.2	246	4 US-09-627-316-15	Sequence 4, Appli
16	34	47.2	529	2 US-09-033-027-4	Sequence 2973, Appli
17	34	47.2	549	4 US-09-134-001C-2973	Sequence 41, Appli
18	33.5	46.5	5588	4 US-09-136-987A-6	Sequence 6, Appli
19	33.5	46.5	5588	4 US-09-370-006-6	Sequence 6, Appli
20	33	45.8	38	1 US-07-977-030-79	Sequence 79, Appli
21	33	45.8	112	4 US-09-178-088A-84	Sequence 72, Appli
22	33	45.8	113	4 US-09-378-088A-72	Sequence 41, Appli
23	33	45.8	123	3 US-09-844-188-41	Sequence 41, Appli
24	33	45.8	123	4 US-09-178-088A-41	Sequence 6, Appli
25	33	45.8	201	2 US-09-801-740-6	Sequence 7, Appli
26	33	45.8	201	2 US-09-801-740-7	Sequence 6, Appli
27	33	45.8	201	4 US-09-801-740-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-09-396-957A-4
; Sequence 4, Application US/08396957A

; Patent No. 5780041
; GENERAL INFORMATION:
; APPLICANT: SIMPSON, WARREN; SCHWAN, TOM G.
; TITLE OF INVENTION: ANTIGENIC PROTEINS AND
; GENES ENCODING SAME OF BORRELLIA BURGDORFERI.
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN, L. L. P.
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/396,957A
; FILING DATE: 01-MAR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/020,245
; FILING DATE: 19-FEB-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/664,731
; FILING DATE: 05-MAY-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/487,716
; FILING DATE: 05-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: DOOTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 20226-4018USA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 578-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 339
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein

HYPOTHETICAL: No
ORIGINAL SOURCE: *Borrelia burgdorferi*
STRAIN: Sh-2-82
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: p39.
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: p39, protein
OTHER INFORMATION: sequence.
US-08-396-957A-4

Query Match Score 72; DB 1; Length 339;
Best Local Similarity 100.0%; Pred. No. 5.3e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GMTERAQEGAFLTG 14
Db 129 GMTERAQEGAFLTG 142

RESULT 2
US-08-396-957A-5
Sequence 5, Application US/08396957A
GENERAL INFORMATION:
APPLICANT: SIMPSON, WARREN; SCHWAN, TOM G.,
TITLE OF INVENTION: ANTIgenic PROTEINS AND
TITLE OF INVENTION: GENES ENCODING SAME OF BORRELIA BURGDORFERI.
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/396,957A
FILING DATE: 01-MAR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/020, 245
FILING DATE: 19-FEB-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/664,731
FILING DATE: 05-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/487,716
FILING DATE: 05-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4018U\$4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:

LENGTH: 341
TYPE: amino acid
SPANNEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHETICAL: No
ORIGINAL SOURCE:
ORGANISM: *Borrelia burgdorferi*
STRAIN: Sh-2-82
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: p39a
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: p39a protein sequence
US-08-396-957A-5

Query Match Score 42; DB 1; Length 341;
Best Local Similarity 53.8%;
Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 2 MTFRADEGAFLTG 14
Db 135 VVFRVEQQGAFLAG 147

RESULT 3
US-08-466-386-4
Sequence 43, Application US/08466886
Patent No. 577667
GENERAL INFORMATION:
APPLICANT: Tsui, Lap-Chee
APPLICANT: Riordan, John R.
APPLICANT: Rommens, Johanna M.
APPLICANT: Kerem, Bat-Shava
APPLICANT: Collins, Francis S.
APPLICANT: Iannuzzi, Michael C.
APPLICANT: Drumm, Mitchell L.
APPLICANT: Buckwald, Manuel
TITLE OF INVENTION: Cystic Fibrosis Gene
NUMBER OF SEQUENCES: 4 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: SPERNE, KESSLER, GOLDSTEIN & FOX
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,886
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 1329-0010006
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids

TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 US-08-466-886-43

Query Match 56.9%; Score 41; DB 1; Length 111;
 Best Local Similarity 62.5%; Pred. No. 1.2;
 Matches 10; Conservative 1; Mismatches 3; Indels 2; Gaps 1;

Qy 1 GMTFRAQEG- AFLTG 14
 1:1 | | | |
 Db 11 GVTFHMQPGMAGFLTG 26

NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:

RESULT 4
US-08-469-617-43

; Sequence 43, Application US/08469617

; Patent No. 6201107

; GENERAL INFORMATION:

; APPLICANT: Tsui, Lap-Chee

; APPLICANT: Riordan, John R.

; APPLICANT: Rommens, Johanna M.

; APPLICANT: Kerem, Bat-Sheva

; APPLICANT: Collins, Francis S.

; APPLICANT: Iannuzzi, Michael C.

; APPLICANT: Drumm, Mitchell L.

; APPLICANT: Buckwald, Manuel

TITLE OF INVENTION: Cystic Fibrosis Gene

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P. L. L.C.

; STREET: 1100 New York Avenue, N.W.

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/469,617

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 800

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldstein, Jorge A.

; REGISTRATION NUMBER: 29,021

; REFERENCE/DOCKET NUMBER: 1329.0010008

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-371-2600

; TELEFAX: 202-371-2540

; INFORMATION FOR SEQ ID NO: 43:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 111 amino acids

; TYPE: amino acid

; STRANDEDNESS: not relevant

; TOPOLOGY: not relevant

; MOLECULE TYPE: peptide

US-08-469-617-43

Query Match 56.9%; Score 41; DB 4; Length 111;

Best Local Similarity 62.5%; Pred. No. 1.2;

Matches 10; Conservative 1; Mismatches 3; Indels 2; Gaps 1;

Qy 1 GMTFRAQEG--AFLTG 14

1:1 | | | |

Db 11 GVTFHMQPGMAGFLTG 26

RESULT 5

US-09-036-987A-5

; Sequence 5, Application US/09036987A
 ; Patent No. 613526
 ; GENERAL INFORMATION:
 ; APPLICANT: Baltz, Richard H.
 ; APPLICANT: Broughton, Kathryn P.
 ; APPLICANT: Madduri, Krishnamurthy
 ; APPLICANT: Merlo, Donald J.
 ; APPLICANT: Treadway, Patti J.
 ; APPLICANT: Turner, Jan R.
 ; APPLICANT: Waldron, Clive
 ; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
 ; TITLE OF INVENTION: Production
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Dow AgroSciences LLC Patent Department
 ; STREET: 9330 Zionsville Road
 ; CITY: Indianapolis
 ; STATE: Indiana
 ; COUNTRY: USA
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/036,987A
 ; FILING DATE: 09-MAR-1998
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Sturt, Donald R.
 ; REGISTRATION NUMBER: 28,479
 ; REFERENCE/DOCKET NUMBER: 50
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317)337-4816
 ; TELEFAX: (317)337-4847
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 4928 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-09-036-987A-5

Query Match 54.9%; Score 39.5; DB 4; Length 4928;
 Best Local Similarity 64.3%; Pred. No. 1.8e+02;
 Matches 9; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

Qy 1 GMTFRAQEGAFLTG 14
 1:1 | | :1111111
 Db 3383 GSTY-VREGAFLTG 3395

RESULT 6
 US-09-370-700-5
 ; Sequence 5, Application US/09370700
 ; Patent No. 627350
 ; GENERAL INFORMATION:
 ; APPLICANT: Treadway, Patti J.
 ; APPLICANT: Broughton, Kathryn P.
 ; APPLICANT: Madduri, Krishnamurthy
 ; APPLICANT: Waldron, Clive
 ; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
 ; FILE REFERENCE: 50489 DIV1
 ; CURRENT APPLICATION NUMBER: US/09/370,700
 ; CURRENT FILING DATE: 1998-08-09
 ; EARLIER APPLICATION NUMBER: US 09/36987
 ; EARLIER FILING DATE: 1998-03-09
 ; NUMBER OF SEQ ID NOS: 39

SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 5
 LENGTH: 4928
 TYPE: PRT
 ORGANISM: Saccharopolyspora spinosa
 US-09-370-700-5

Query Match 54.9%; Score 39.5; DB 4; Length 4928;
 Best Local Similarity 64.3%; Pred. No. 1, 8e+02;
 Matches 9; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

Qy 1 GMTERAQEGAAFLTG 14
 Db 3383 GSTY-VREGAFLTG 3395

RESULT 7
 US-09-374-454-19
 Sequence 19, Application US/09374454
 Patent No. 6395548

GENERAL INFORMATION:
 APPLICANT: Lee, Mu-En
 APPLICANT: Memura, Koji
 APPLICANT: Hsieh, Chung-Ming
 TITLE OF INVENTION: METHODS OF MODULATING OF ANGIOGENESIS
 FILE REFERENCE: 05433/037001
 CURRENT APPLICATION NUMBER: US/09/374,454
 CURRENT FILING DATE: 1999-08-13
 EARLIER APPLICATION NUMBER: US 60/096,515
 EARLIER FILING DATE: 1998-08-14
 NUMBER OF SEQ ID NOS: 22
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 19
 LENGTH: 602
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-374-454-19

Query Match 51.4%; Score 37; DB 4; Length 602;
 Best Local Similarity 60.0%; Pred. No. 48;
 Matches 6; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 4 FRAQEGAAFL 13
 Db 403 FRADGSFYT 412

RESULT 8
 US-09-071-035-80
 Sequence 80, Application US/09071035
 Patent No. 6448043

GENERAL INFORMATION:
 APPLICANT: Gil, H. Choi
 TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
 NUMBER OF SEQUENCES: 496
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Avenue
 CITY: Rockville
 STATE: Maryland
 ZIP: 20850
 COUNTRY: USA

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/071,035
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:

FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: A. Anders Brookes
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PB369P2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 TELEX/FAX: (301) 309-8504
 INFORMATION FOR SEQ ID NO: 80:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 339 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-071-035-80

RESULT 9
 US-08-313-412-1
 Sequence 1, Application US/08313412
 Patent No. 628893
 GENERAL INFORMATION:
 APPLICANT: Aron Ph.D., Lieselotte
 APPLICANT: Cabello M.D., Felipe
 APPLICANT: Godfrey M.D., Henry F.
 APPLICANT: Schwartz Ph.D., Ira
 TITLE OF INVENTION: Chromosomally-Encoded Membrane
 TITLE OF INVENTION: Protein of Borrelia Burgdorferi
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle
 STREET: P.O. Box 1051, Clinton Square
 CITY: Rochester
 STATE: New York
 COUNTRY: USA
 ZIP: 14603
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/313,412
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldinan, Michael L.
 REGISTRATION NUMBER: 30,727
 TELEPHONE: 716-263-1304
 TELEX/FAX: 716-263-1600
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 353 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-313-412-1

Query Match 50.0%; Score 36; DB 4; Length 353;
 Best Local Similarity 63.6%; Pred. No. 40;
 Matches 3; Indels 0; Gaps 0;

Qy 4 FRAQEAFLTG 14
 Db 146 FRNEERAAFLAG 156

RESULT 10
 US-09-071-035-78
 ; Sequence 78, Application US/09071035
 ; Patent No. 6448043
 ; GENERAL INFORMATION:
 ; APPLICANT: G.I. H. Choi
 ; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
 ; NUMBER OF SEQUENCES: 496
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Avenue
 ; CITY: Rockville
 ; STATE: Maryland
 ; COUNTRY: USA
 ; ZIP: 20850

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/071,035
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: A. Anders Brookes
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PB369P2
 TELEPHONE: (301) 309-8504
 TELEFAX: (301) 309-8512
 INFORMATION FOR SEQ ID NO: 78:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 361 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-09-071-035-78

Query Match 3 TFRQEAFLTG 14
 Best Local Similarity 50.0%; Score 36; DB 4; Length 361;
 Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 3 TFRQEAFLTG 14
 Db 148 FRDNEEAYLAG 159

RESULT 11
 US-08-804-227C-12
 ; Sequence 12, Application US/08804227C
 ; Patent No. 5876991
 ; GENERAL INFORMATION:
 ; APPLICANT: DeHoff, Bradley S.
 ; APPLICANT: Kuhstoss, Stuart A.
 ; APPLICANT: Rosteck, Paul R., Jr.
 ; APPLICANT: Sutton, Kimberly L.
 ; TITLE OF INVENTION: POLYKETIDE SYNTHASE GENES
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: THOMAS G. PLANT 1501
 ; STREET: LILLY CORPORATE CENTER
 ; CITY: INDIANAPOLIS

STATE: IN
 COUNTRY: USA
 ZIP: 46285

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: ASCII(DOS) Text only

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/804,227C
 FILING DATE: February 21, 1997
 CLASSIFICATION: 4,35
 ATTORNEY/AGENT INFORMATION:
 NAME: Plant, Thomas, G.
 REGISTRATION NUMBER: 35,784
 REFERENCE/DOCKET NUMBER: X-8231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 317-276-2459
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1891 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: Peptide

US-08-804-227C-12

Query Match 49.3%; Score 35.5%; DB 2; Length 1891;
 Best Local Similarity 57.1%; Prod. No. 3.4e+02; Mismatches 3; Indels 1; Gaps 1;

Qy 1 GMTFRAQEAFLTG 14
 Db 90 GRTTY-CREGGFTG 102

RESULT 12
 US-08-804-198-6
 ; Sequence 6, Application US/08804198
 ; Patent No. 5945320
 ; GENERAL INFORMATION:
 ; APPLICANT: Burgett, Stanley G.
 ; APPLICANT: Kuhstoss, Stuart A.
 ; APPLICANT: Rao, Nagaraja R.
 ; APPLICANT: Richardson, Mark A.
 ; APPLICANT: Rosteck, Paul R., Jr.
 ; TITLE OF INVENTION: PLATENOLIDE SYNTHASE GENE
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: PAUL R. CANTRELL
 ; STREET: LILLY CORPORATE CENTER
 ; CITY: INDIANAPOLIS

STATE: IN
 COUNTRY: USA
 ZIP: 46285

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Macintosh
 OPERATING SYSTEM: Macintosh 7.0
 SOFTWARE: Microsoft Word 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/804,198
 FILING DATE:
 CLASSIFICATION: 4,35
 ATTORNEY/AGENT INFORMATION:
 NAME: CANTRELL, PAUL R.
 REGISTRATION NUMBER: 36,470
 REFERENCE/DOCKET NUMBER: P9113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 317-276-3885
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1891 amino acids
 TYPE: amino acid

TOPOLogy: unknown
 MOLECULE TYPE: peptide
 US-08-804-198-6

Query Match Score 35.5; DB 2; Length 1891;
 Best Local Similarity 57.1%; Pred. No. 3.4e+02;
 Matches 8; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 GMTRFAEQECAFLTG 14
 Db 90 GTTY-CREGGLTG 102

RESULT 13
 US-09-171-156A-65
 Sequence 65, Application US/09171156A
 Patent No. 6368846

GENERAL INFORMATION:
 APPLICANT: Hunter, Shirley Wu
 Sim, Gek Kee
 Weber, Eric R.

TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND APPARATUS TO COLLECT SUCH PROTEINS

NUMBER OF SEQUENCES: 88

CORRESPONDENCE ADDRESS:
 ADDRESSEE: SHERIDAN ROSS P.C.
 STREET: 1560 BROADWAY, SUITE 1200
 CITY: DENVER
 STATE: CO
 COUNTRY: U.S.A.
 ZIP: 80202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/171,156A
 FILING DATE: 04-Mar-1999
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Connell, Gary J.
 REFERENCE/DOCKET NUMBER: 32-020

TELECOMMUNICATION INFORMATION:
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INFORMATION FOR SEQ ID NO: 68:

SEQUENCE CHARACTERISTICS:
 LENGTH: 353 amino acids
 TYPE: amino acid
 TOPOLOGY: linear

MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 68:
 US-09-171-156A-68

US-09-171-156A-68

Query Match 48.6%; Score 35; DB 4; Length 353;
 Best Local Similarity 58.3%; Pred. No. 62;
 Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TFRAQEGAFLTG 14
 Db 76 TRRSQEGALIG 87

RESULT 15
 US-09-622-376-15
 Sequence 15, Application US/09627376
 Patent No. 6342385

GENERAL INFORMATION:
 APPLICANT: Qi, Fengxia Caufield, Page Chen, Ping
 TITLE OF INVENTION: MUTACIN I BIOSYNTHESIS GENES AND PROTEINS
 FILE REFERENCE: UAB-17402/22

CURRENT APPLICATION NUMBER: US/09/627,376

CURRENT FILING DATE: 2001-05-30

NUMBER OF SEQ ID NOS: 17

SOFTWARE: PatentIn version 3.0
 SEQ ID NO 15

Query Match 47.2%; Score 34; DB 4; Length 246;
 Best Local Similarity 54.5%; Pred. No. 64;
 Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 MTFRAQEGAFLTG 12
 Db 27 ITFSVQEGBFI 37

RESULT 14
 US-09-171-156A-68
 Sequence 68, Application US/09171156A
 Patent No. 6368846

GENERAL INFORMATION:
 APPLICANT: Hunter, Shirley Wu
 Sim, Gek Kee
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Search completed: March 25, 2003, 08:30:11
 Job time : 17 secs

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